

L Number	Hits	Search Text	DB	Time stamp
-	7532	(heater or heating or resistive or resistor or transducer or element) with (thick or thickness) with area 347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.	USPAT; EPO; JPO; DERWENT	2002/12/04 11:11
-	3387	(heater or heating or resistive or resistor or transducer or element) with (thick or thickness) with area 347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 08:58
-	59	((heater or heating or resistive or resistor or transducer or element) with (thick or thickness) with area) and (347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.)	USPAT; EPO; JPO; DERWENT	2002/12/04 09:57
-	8023	(heater or heating or resistive or resistor or transducer or element) with (thick or thickness) with area ((347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.) and ((heater or heating or resistive or resistor or transducer or element) with (thick or thickness) with area) and (347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.))	USPAT; EPO; JPO; DERWENT	2004/02/25 12:41
-	14	(heater or heating or resistive or resistor or transducer or element) with (thick or thickness) with area with mu	USPAT; EPO; JPO; DERWENT	2002/12/04 11:13
-	226	((heater or heating or resistive or resistor or transducer or element) with area with mu) and (347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.)	USPAT; EPO; JPO; DERWENT	2002/12/04 11:55
-	1	((heater or heating or resistive or resistor or transducer or element) with area with mu) and (347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.)	USPAT; EPO; JPO; DERWENT	2002/12/04 11:16
-	389770	(heater or heating or resistive or resistor or transducer or element) with (size or area or dimension)	USPAT; EPO; JPO; DERWENT	2002/12/04 11:19
-	569482	(heater or heating or resistive or resistor or transducer or element) with (size or area or dimension or length or width)	USPAT; EPO; JPO; DERWENT	2002/12/04 11:28
-	976	((heater or heating or resistive or resistor or transducer or element) with (size or area or dimension or length or width)) and (347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.)	USPAT; EPO; JPO; DERWENT	2002/12/04 11:28
-	121006	(heater or heating or resistive or resistor or transducer or element) with thickness	USPAT; EPO; JPO; DERWENT	2002/12/04 11:57
-	423	((heater or heating or resistive or resistor or transducer or element) with thickness) and (347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.)	USPAT; EPO; JPO; DERWENT	2002/12/04 11:56

-	833	(heater or heating or resistive or resistor or transducer or element) with thickness with mu	USPAT; EPO; JPO; DERWENT	2002/12/04 11:59
-	1	((heater or heating or resistive or resistor or transducer or element) with thickness with mu) and (347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.)	USPAT; EPO; JPO; DERWENT	2002/12/04 11:58
-	3974	(heater or heating or resistive or resistor or transducer or element) with thickness with micron	USPAT; EPO; JPO; DERWENT	2002/12/04 12:00
-	43	((heater or heating or resistive or resistor or transducer or element) with thickness with micron) and (347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.)	USPAT; EPO; JPO; DERWENT	2002/12/04 12:00
-	73	(347/54.cccls. or 347/55.cccls. or 347/56.cccls. or 347/57.cccls. or 347/58.cccls. or 347/59.cccls. or 347/62.cccls. or 347/63.cccls. or 347/61.cccls.) and ((heater or heating or resistive or resistor or transducer or element) with (thick or thickness) with area)	USPAT; EPO; JPO; DERWENT	2002/12/04 12:19
-	185	347/64.cccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 07:28
-	185	347/64.cccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 07:37
-	16951	(drop or droplet) with energy	USPAT; EPO; JPO; DERWENT	2002/12/06 07:38
-	2593087	joules or microjoules or mJ or J	USPAT; EPO; JPO; DERWENT	2002/12/06 07:42
-	131	((drop or droplet) with energy) with (joules or microjoules or mJ or J)	USPAT; EPO; JPO; DERWENT	2002/12/06 07:38
-	46971	347/\$.cccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 07:40
-	44	((drop or droplet) with energy) with (joules or microjoules or mJ or J) and 347/\$.cccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 07:40
-	2665680	joules or microjoules or muJ or J or nJ or nanojoules	USPAT; EPO; JPO; DERWENT	2002/12/06 07:43
-	129	((drop or droplet) with energy) with (joules or microjoules or muJ or J or nJ or nanojoules)	USPAT; EPO; JPO; DERWENT	2002/12/06 07:43
-	49	((drop or droplet) with energy) with (joules or microjoules or muJ or J or nJ or nanojoules)) and 347/\$.cccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 07:50
-	10248	tab with circuit	USPAT; EPO; JPO; DERWENT	2002/12/06 08:21
-	336152	canon.as.	USPAT; EPO; JPO; DERWENT	2002/12/06 07:52
-	11	(tab with circuit) and canon.as. and 347/\$.cccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 07:54
-	7395025	purpose or advantage	USPAT; EPO; JPO; DERWENT	2002/12/06 07:54

-	283	(purpose or advantage) with (tab with circuit)	USPAT; EPO; JPO; DERWENT	2002/12/06 08:21
-	15	((purpose or advantage) with (tab with circuit)) and 347/\$.ccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 13:30
-	52935	(tab or flex or flexible) with circuit	USPAT; EPO; JPO; DERWENT	2002/12/06 08:21
-	807	(purpose or advantage) same (tab with circuit)	USPAT; EPO; JPO; DERWENT	2002/12/06 08:22
-	55	((purpose or advantage) same (tab with circuit)) and 347/\$.ccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 08:22
-	40	((purpose or advantage) same (tab with circuit)) and 347/\$.ccls.) not ((purpose or advantage) with (tab with circuit)) and 347/\$.ccls.)	USPAT; EPO; JPO; DERWENT	2002/12/06 08:23
-	294	canon.as. and 347/\$.ccls. and ((tab or flex or flexible) with circuit)	USPAT; EPO; JPO; DERWENT	2002/12/06 08:23
-	10471	(heater or heating or resistive or resistor or transducer or element) same (thick or thickness) same length same width	USPAT; EPO; JPO; DERWENT	2002/12/06 08:57
-	3514	347/54.ccls. or 347/55.ccls. or 347/56.ccls. or 347/57.ccls. or 347/58.ccls. or 347/59.ccls. or 347/62.ccls. or 347/63.ccls. or 347/61.ccls. or 347/64.ccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 08:58
-	78	((heater or heating or resistive or resistor or transducer or element) same (thick or thickness) same length same width) and (347/54.ccls. or 347/55.ccls. or 347/56.ccls. or 347/57.ccls. or 347/58.ccls. or 347/59.ccls. or 347/62.ccls. or 347/63.ccls. or 347/61.ccls. or 347/64.ccls.)	USPAT; EPO; JPO; DERWENT	2002/12/06 08:58
-	20517	(protection or protecting or passivation or passivating or cavitation) with (thick or thickness)	USPAT; EPO; JPO; DERWENT	2002/12/06 10:47
-	147208	(heater or heating or resistive or resistor or transducer or element) with (thick or thickness)	USPAT; EPO; JPO; DERWENT	2002/12/06 10:51
-	185	347/64.ccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 10:51
-	53	((protection or protecting or passivation or passivating or cavitation) with (thick or thickness)) and 347/64.ccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 10:51
-	2	4338661.bn.	USPAT; EPO; JPO; DERWENT	2002/12/06 13:31
-	4	4338611.bn.	USPAT; EPO; JPO; DERWENT	2002/12/06 13:54
-	10248	Tab with circuit	USPAT; EPO; JPO; DERWENT	2002/12/06 13:56
-	2	6139131.bn.	USPAT; EPO; JPO; DERWENT	2002/12/06 13:56
-	46971	347/\$.ccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 13:56
-	290	(Tab with circuit) and 347/\$.ccls.	USPAT; EPO; JPO; DERWENT	2002/12/06 14:08
-	2	4567493.bn.	USPAT; EPO; JPO; DERWENT	2002/12/06 14:08

-	4	4338611.pn.	USPAT; EPO; JPO; DERWENT	2002/12/06 14:10
-	2	4635073.pn.	USPAT; EPO; JPO; DERWENT	2002/12/06 14:10
-	54	(ejection or ejecting or discharge or discharging) same energy same (microjoules or (micro adj joules) or muJ or (mu adj J))	USPAT; EPO; JPO; DERWENT	2003/12/28 12:55
-	35	(ejection or ejecting or discharge or discharging) with energy with (microjoules or (micro adj joules) or muJ or (mu adj J))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/28 13:10
-	53517	347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 07:18
-	6	((ejection or ejecting or discharge or discharging) with energy with (microjoules or (micro adj joules) or muJ or (mu adj J))) and 347/\$.ccls.	USPAT; EPO; JPO; DERWENT	2003/12/28 12:55
-	64	(ejection or ejecting or discharge or discharging) same energy same (microjoules or (micro adj joules) or muJ or (mu adj J))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 07:13
-	8	((ejection or ejecting or discharge or discharging) same energy same (microjoules or (micro adj joules) or muJ or (mu adj J))) and 347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/28 13:07
-	2	((ejection or ejecting or discharge or discharging) same energy same (microjoules or (micro adj joules) or muJ or (mu adj J))) and 347/\$.ccls.) not ((ejection or ejecting or discharge or discharging) with energy with (microjoules or (micro adj joules) or muJ or (mu adj J))) and 347/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/28 13:09
-	254548	(passivation or passivating or cavitation or protective or protecting) with (coat or coating or layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/28 13:10
-	52336	(ejection or ejecting or discharge or discharging) with energy	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/28 13:11
-	355	((passivation or passivating or cavitation or protective or protecting) with (coat or coating or layer)) same ((ejection or ejecting or discharge or discharging) with energy)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/28 13:11
-	174	((passivation or passivating or cavitation or protective or protecting) with (coat or coating or layer)) same ((ejection or ejecting or discharge or discharging) with energy)) and 347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/28 13:11
-	39085	endo.in.	USPAT; EPO; JPO; DERWENT	2003/12/29 07:08
-	444	347/63.ccls.	USPAT; EPO; JPO; DERWENT	2003/12/29 07:08
-	1	endo.in. and 347/63.ccls.	USPAT; EPO; JPO; DERWENT	2003/12/29 07:08
-	70	(drop or droplet) same energy same (microjoules or (micro adj joules) or muJ or (mu adj J))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 07:13

-	53517	347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 07:18
-	55	((drop or droplet) same energy same (microjoules or (micro adj joules) or muJ or (mu adj J))) and 347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 07:18
-	5597	energy with predict\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/25 12:41
-	158506	(heater or heating or resistive or resistor or transducer or element) with (thick or thickness)	USPAT; EPO; JPO; DERWENT	2004/02/25 12:44
-	2	(energy with predict\$) with ((heater or heating or resistive or resistor or transducer or element) with (thick or thickness))	USPAT; EPO; JPO; DERWENT	2004/02/25 12:43
-	5	(energy with predict\$) same ((heater or heating or resistive or resistor or transducer or element) with (thick or thickness))	USPAT; EPO; JPO; DERWENT	2004/02/25 12:44
-	4890419	(heater or heating or resistive or resistor or transducer or element)	USPAT; EPO; JPO; DERWENT	2004/02/25 13:05
-	313	((heater or heating or resistive or resistor or transducer or element)) with (energy with predict\$)	USPAT; EPO; JPO; DERWENT	2004/02/25 12:53
-	49603	347/\$.ccls.	USPAT; EPO; JPO; DERWENT	2004/02/25 13:05
-	18	((heater or heating or resistive or resistor or transducer or element)) with (energy with predict\$)) and 347/\$.ccls.	USPAT; EPO; JPO; DERWENT	2004/02/25 12:59
-	918228	stable	USPAT; EPO; JPO; DERWENT	2004/02/25 13:06
-	27	((heater or heating or resistive or resistor or transducer or element) with (thick or thickness)) with stable with (predict\$ or determin\$)	USPAT; EPO; JPO; DERWENT	2004/02/25 13:03
-	1	((heater or heating or resistive or resistor or transducer or element) with (thick or thickness)) with stable with (predict\$ or determin\$)) and 347/\$.ccls.	USPAT; EPO; JPO; DERWENT	2004/02/25 13:00
-	1286	((heater or heating or resistive or resistor or transducer or element)) with stable with (predict\$ or determin\$)	USPAT; EPO; JPO; DERWENT	2004/02/25 13:04
-	26	((heater or heating or resistive or resistor or transducer or element)) with stable with (predict\$ or determin\$)) and 347/\$.ccls.	USPAT; EPO; JPO; DERWENT	2004/02/25 13:04
-	5597	energy with predict\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:05
-	158506	((heater or heating or resistive or resistor or transducer or element) with (thick or thickness))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 13:05
-	5239264	(heater or heating or resistive or resistor or transducer or element)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:27

-	54193	347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 13:05
-	1021279	stable	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 13:06
-	377	(energy with predict\$) with ((heater or heating or resistive or resistor or transducer or element))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 13:06
-	23	((energy with predict\$) with ((heater or heating or resistive or resistor or transducer or element))) and 347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 13:38
-	23	((energy with predict\$) with ((heater or heating or resistive or resistor or transducer or element))) and 347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 13:45
-	591	((energy with (predict\$ or measur\$ or determin\$)) with ((heater or heating or resistive or resistor or transducer or element))) and 347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 13:46
-	54193	347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 13:44
-	591	((energy with (predict\$ or measur\$ or determin\$)) with ((heater or heating or resistive or resistor or transducer or element))) and 347/\$.ccls.) and 347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 13:44
-	377	((energy with predict\$) with ((heater or heating or resistive or resistor or transducer or element)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 13:45
-	12708	((energy with (predict\$ or measur\$ or determin\$)) with ((heater or heating or resistive or resistor or transducer or element)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 14:32
-	3357	347/14.ccls. or 347/19.ccls. or 347/56.ccls. or 347/63.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/27 06:33
-	159	((energy with (predict\$ or measur\$ or determin\$)) with ((heater or heating or resistive or resistor or transducer or element)))) and (347/14.ccls. or 347/19.ccls. or 347/56.ccls. or 347/63.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 14:31
-	1021279	stable	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 14:31
-	583	(energy with (predict\$ or measur\$ or determin\$)) with stable	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/25 14:33

-	8	((energy with (predict\$ or measur\$ or determin\$) with stable) and (347/14.cccls. or 347/19.cccls. or 347/56.cccls. or 347/63.cccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/25 14:33
-	5242593	(heater or heating or resistitve or resistor or transducer or element)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:27
-	107934	(thick or thickness or area or size or dimension) with (stable or stability)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:28
-	6891	((heater or heating or resistitve or resistor or transducer or element)) with ((thick or thickness or area or size or dimension) with (stable or stability))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:29
-	54239	347/\$.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:29
-	129	((heater or heating or resistitve or resistor or transducer or element)) with ((thick or thickness or area or size or dimension) with (stable or stability))) and 347/\$.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:32
-	3362	347/14.cccls. or 347/19.cccls. or 347/56.cccls. or 347/63.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:33
-	18	((heater or heating or resistitve or resistor or transducer or element)) with ((thick or thickness or area or size or dimension) with (stable or stability))) and (347/14.cccls. or 347/19.cccls. or 347/56.cccls. or 347/63.cccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:38
-	0	6676246.URPN.	USPAT	2004/02/27 06:35
-	20	("4595823" "4719478" "4936952" "4968992" "5387460" "5580468" "5682185" "5726690" "5742307" "5831648" "6042221" "6139131" "6142612" "6227640" "6244682" "6315853" "6318845" "6331049" "6412290" "6491377" "2001/0008411").PN.	USPAT	2004/02/27 06:36
-	1526053	volume	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:38
-	1222431	energy	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:38
-	3435	((heater or heating or resistitve or resistor or transducer or element)) with volume with energy	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:39
-	283	((heater or heating or resistitve or resistor or transducer or element)) with volume with energy) and 347/\$.cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/27 06:39

-	98	((heater or heating or resistive or resistor or transducer or element)) with volume with energy) and (347/14.ccls. or 347/19.ccls. or 347/56.ccls. or 347/63.ccls.) bubb1\$ not with volume	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/27 06:40
-	260880			2004/02/27 06:41
-	79	((((heater or heating or resistive or resistor or transducer or element)) with volume with energy) and (347/14.ccls. or 347/19.ccls. or 347/56.ccls. or 347/63.ccls.)) and (bubb1\$ not with volume)		2004/02/27 06:42